

PTO/SB/21 (08-03)

| | | |
|---|------------------------|-----------------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 10/054,295 |
| | Filing Date | January 18, 2002 |
| | First Named Inventor | Cech, Thomas |
| | Art Unit | 1652 |
| | Examiner Name | Malgorzata A. Walicka |
| Total Number of Pages in This Submission | Attorney Docket Number | 015389-002990US |

| ENCLOSURES (Check all that apply) | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Appointment of Associate Attorney under 37 CFR § 1.23(b) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard Copies of four (4) cited applications and claims |
| Remarks | | The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|--|
| Firm or Individual | Townsend and Townsend and Crew LLP Scott L. Aussenhus Reg. No. 42,271 |
| Signature | |
| Date | January 16, 2004 |

| CERTIFICATE OF TRANSMISSION/MAILING | | | |
|---|-------------------|------|------------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. | | | |
| Typed or printed name | Nicole M. Wartell | | |
| Signature | | Date | January 16, 2004 |

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180

Complete if Known

| | |
|----------------------|-----------------------|
| Application Number | 10/054,295 |
| Filing Date | January 18, 2002 |
| First Named Inventor | Cech, Thomas |
| Examiner Name | Malgorzata A. Walicka |
| Art Unit | 1652 |
| Attorney Docket No. | 015389-002990US |

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:
Deposit
Account
Number

20-1430

Deposit
Account
Name

Townsend and Townsend and Crew LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☐ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 770 | 2001 | 385 | Utility filing fee | |
| 1002 | 340 | 2002 | 170 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |

SUBTOTAL (1)

(\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | Extra Claims | Fee from below | Fee Paid |
|--------------------|---------------------------|----------------------|----------------------|
| Total Claims | <input type="text"/> ** = | <input type="text"/> | <input type="text"/> |
| Independent Claims | <input type="text"/> ** = | <input type="text"/> | <input type="text"/> |
| Multiple Dependent | <input type="text"/> X | <input type="text"/> | <input type="text"/> |

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid |
| 1204 | 86 | 2204 | 43 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet. | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month | |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | |
| 1502 | 480 | 2502 | 240 | Design issue fee | |
| 1503 | 640 | 2503 | 320 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Petitions related to provisional applications | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | 180 |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

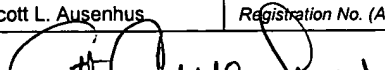
Other fee (specify) _____

*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

(\$)180

SUBMITTED BY

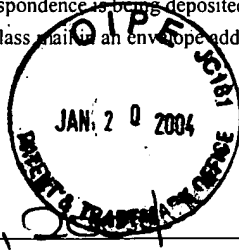
Complete (if applicable)

| | | | | | |
|-------------------|---|-----------------------------------|--------|-----------|------------------|
| Name (Print/Type) | Scott L. Ausenhus | Registration No. (Attorney/Agent) | 42,271 | Telephone | 303-571-4000 |
| Signature |  | | | Date | January 18, 2004 |

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PATENT
Attorney Docket No.: 015389-002990US
Client Reference No.: 018/184C

On Jan 16, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: Nicole M. Wartell

Nicole M. Wartell

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Thomas R. Cech et al.

Application No.: 10/054,295

Filed: January 18, 2002

For: NOVEL TELOMERASE

Examiner: Malgorata A. Walicka

Art Unit: 1652

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references listed on the attached forms can be found in Application No. 09/843,676, filed April 26, 2001 (Attorney Docket No. 015389-002943US), an application to which the present application claims priority.

Applicants also wish to make the Examiner aware of the following co-pending patent applications:

1. U.S. Patent App. No. 09/432,503, filed 11-02-1999, Applicant Cech et al., Attorney Docket No. 015389-0002611US;

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2. U.S. Patent App. No. 09/721,477, filed 11-22-2000, Applicant Cech et al., Attorney Docket No. 015389-002914US;
3. U.S. Patent App. No. 09/721,506, filed 11-22-2000, Applicant Cech et al., Attorney Docket No. 015389-002916US; and
4. U.S. Patent App. No. 09/974,584, filed 11-19-1997, Applicant Cech et al., Attorney Docket No. 015389-002950US.

To comply with 37 CFR §1.98(a)(2)(iii), the specifications, drawings and currently pending claims for U.S. Application No. 09/432,503 (Attorney Docket No. 015389-002611US) and U.S. Application No. 09/974,584 (Attorney Docket No. 015389-002950) are enclosed. The currently pending claims from U.S. Application Nos. 09/721,477 (Attorney Docket No. 015389-002614US) and 09/721,506 (Attorney Docket No. 015389-002616US) are also enclosed; copies of the specification and drawings for these latter two applications are not enclosed because these applications are the same as US Application No. 09/432,503.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

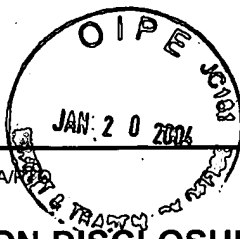
Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Scott L. Ausenhus
Reg. No. 42,271

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 303-571-4000
Fax: 303-571-4321
SLA:nmb



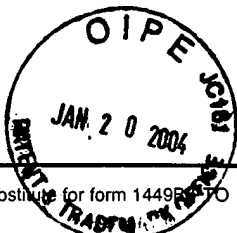
| | | | | | |
|---|---|--------------------------|----------------------|------------------------|-----------------|
| Substitute for form 1449A INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | | | |
| | | Application Number | 10/054,295 | | |
| | | Filing Date | January 18, 2002 | | |
| | | First Named Inventor | Thomas R. Cech | | |
| | | Art Unit | 1652 | | |
| | | Examiner Name | Malgorata A. Walicka | | |
| Sheet | 1 | of | 2 | Attorney Docket Number | 015389-002990US |

| U.S. PATENT DOCUMENTS+ | | | | | |
|------------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number Kind Code ² (if known) | | | |
| | A1 | US-6,440,735 B1 | 08-27-2002 | Gaeta | |
| | A2 | US-6,444,650 B1 | 09-03-2003 | Cech et al. | |
| | A3 | US-6,517,834 B1 | 02-11-2003 | Weinrich et al. | |
| | A4 | US-6,608,188 B1 | 08-19-2003 | Tsuchiya et al. | |
| | A5 | US-6,627,619 B2 | 09-30-2003 | Cech et al. | |
| | A6 | US 2002-0164786 A1 | 11-07-2002 | Cech et al. | |
| | A7 | US 2002-0187471 A1 | 12-12-2002 | Cech et al. | |
| | A8 | US 2003-0009019 A1 | 01-09-2003 | Cech et al. | |
| | A9 | US 2003-0032075 A1 | 02-13-2003 | Cech et al. | |
| | A10 | US 2003-0059787 A1 | 03-27-2003 | Cech et al. | |
| | A11 | US 2003-0096344 A1 | 05-22-2003 | Cech et al. | |
| | A12 | US 2003-0100093 A1 | 05-29-2003 | Cech et al. | |
| | A13 | U.S. Application No. 09/432,503 | | Cech et al. | |
| | A14 | U.S. Application No. 09/721,477 | | Cech et al. | |
| | A15 | U.S. Application No. 09/721,506 | | Cech et al. | |
| | A16 | U.S. Application No. 90/974,584 | | Cech et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----------------------|---------------------------|---------------------|-----------------------------------|--------------------------------|--|--|--------------------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | B1 | CA | 2271718 | A1 | 05-22-1998 | | | <input type="checkbox"/> |
| | B2 | | | | | | | <input type="checkbox"/> |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
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|---|---|--------------------------|----------------------|------------------------|-----------------|
| <div>Substitute for form 1449B PTO</div> <div>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <div>(use as many sheets as necessary)</div> | | Complete if Known | | | |
| | | Application Number | 10/054,295 | | |
| | | Filing Date | January 18, 2002 | | |
| | | First Named Inventor | Thomas Cech | | |
| | | Art Unit | 1652 | | |
| | | Examiner Name | Malgorata A. Walicka | | |
| Sheet | 2 | of | 2 | Attorney Docket Number | 015389-002990US |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|--------------------------|---|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | C1 | ADAMS, MARK et al. "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence" <i>The Genome Directory: Supplement to Nature</i> 28 September 1995, 1995, pp. 3-174, Vol. 377, Issue 6547S. | |
| | C2 | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.